

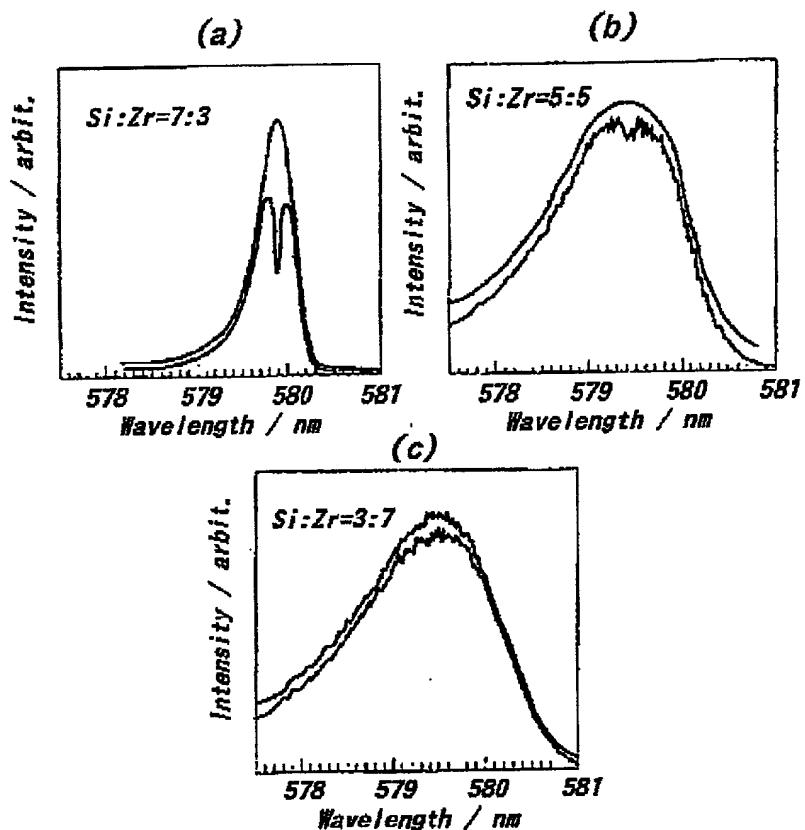
FIG. 1

FIG. 2

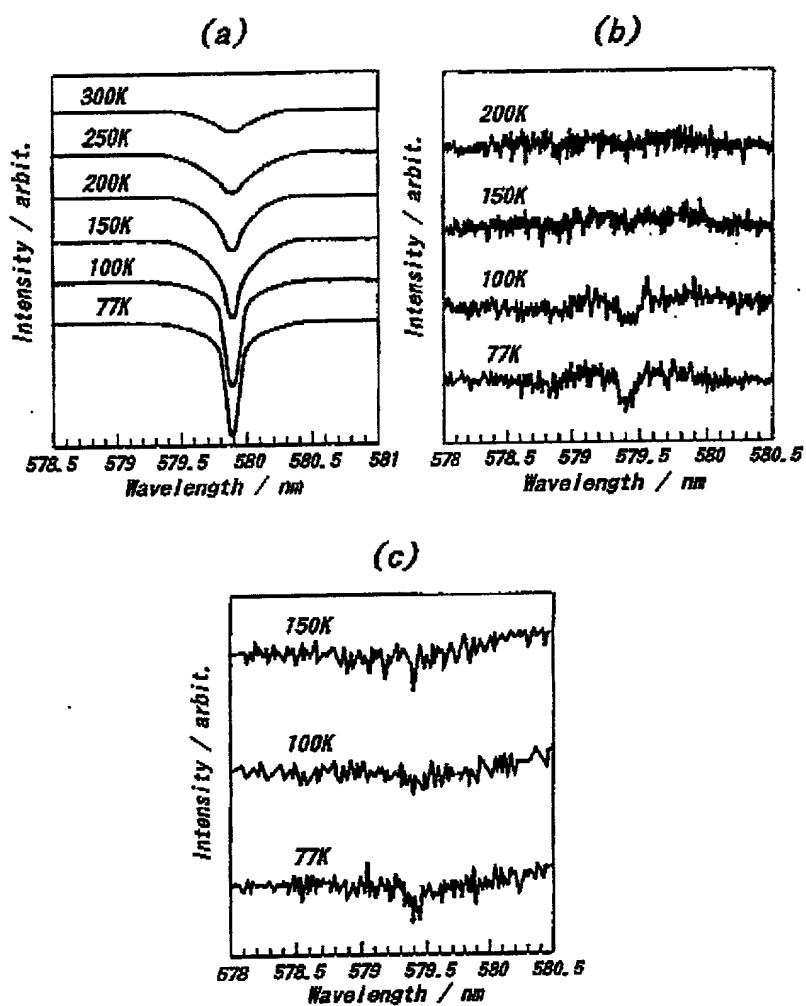
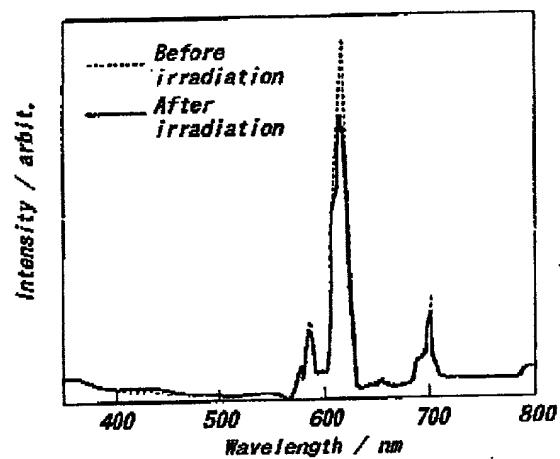


FIG. 3

(a)



(b)

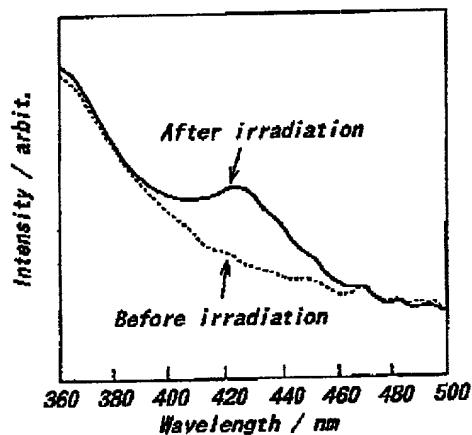
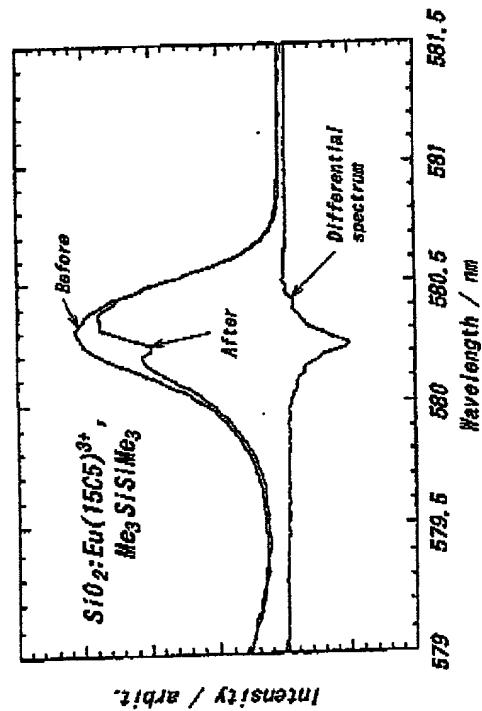
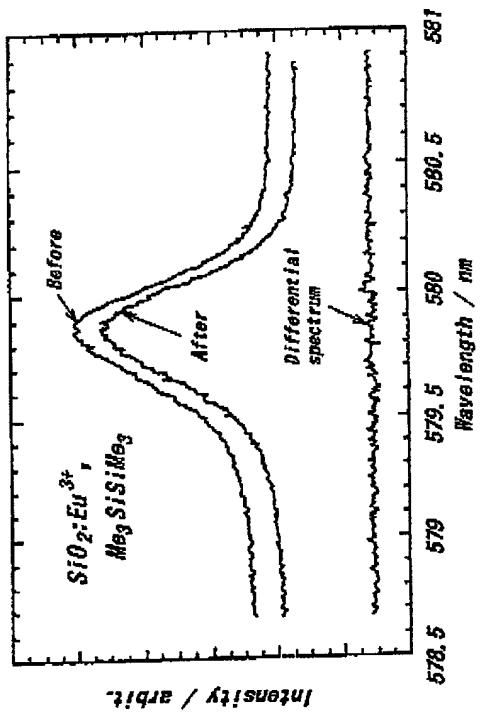


FIG. 4

(a)



(b)



4 / 11

01023

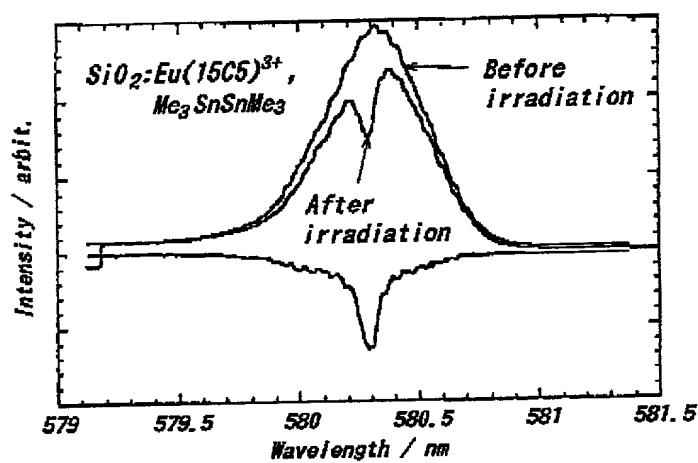
FIG. 5

FIG. 6

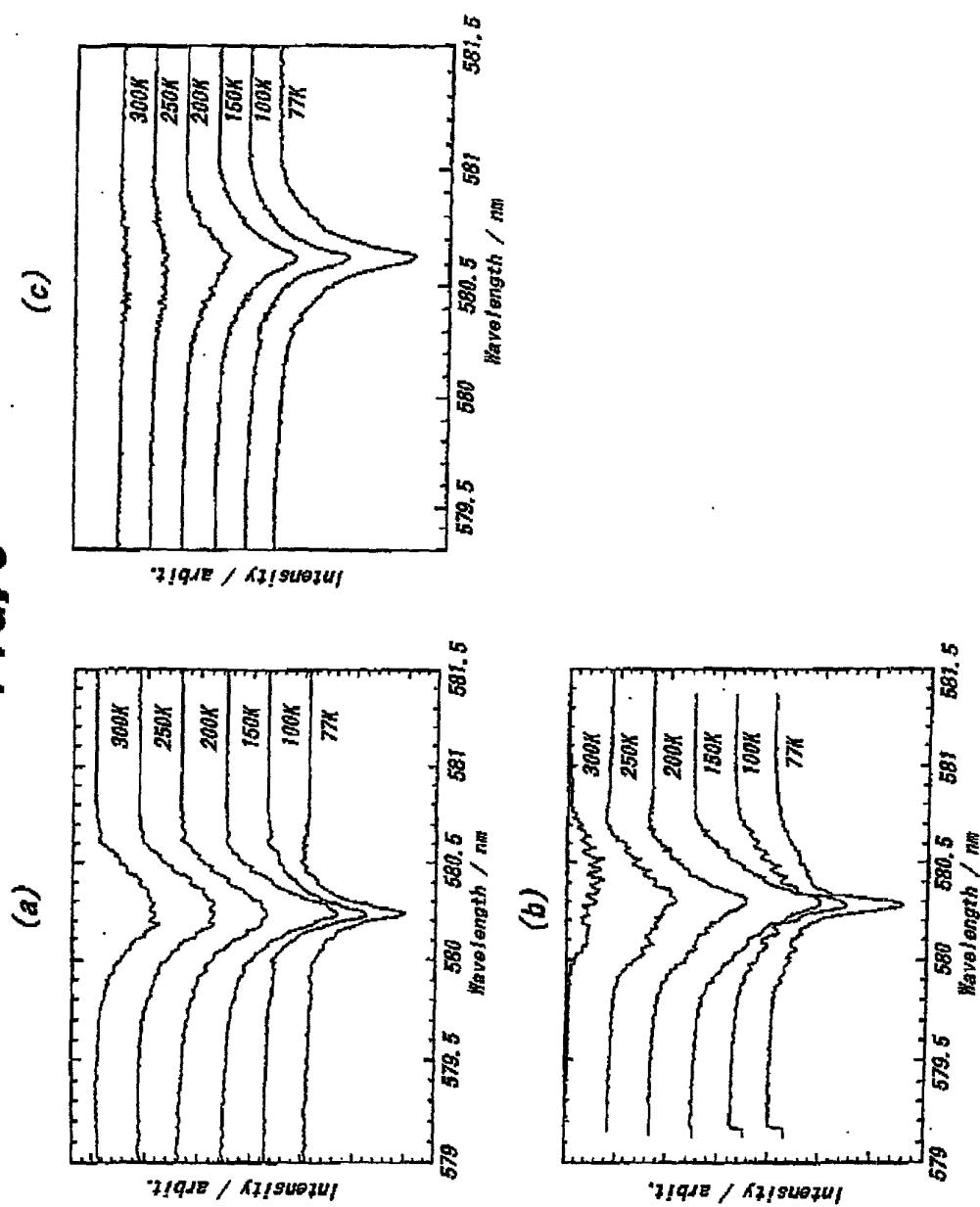
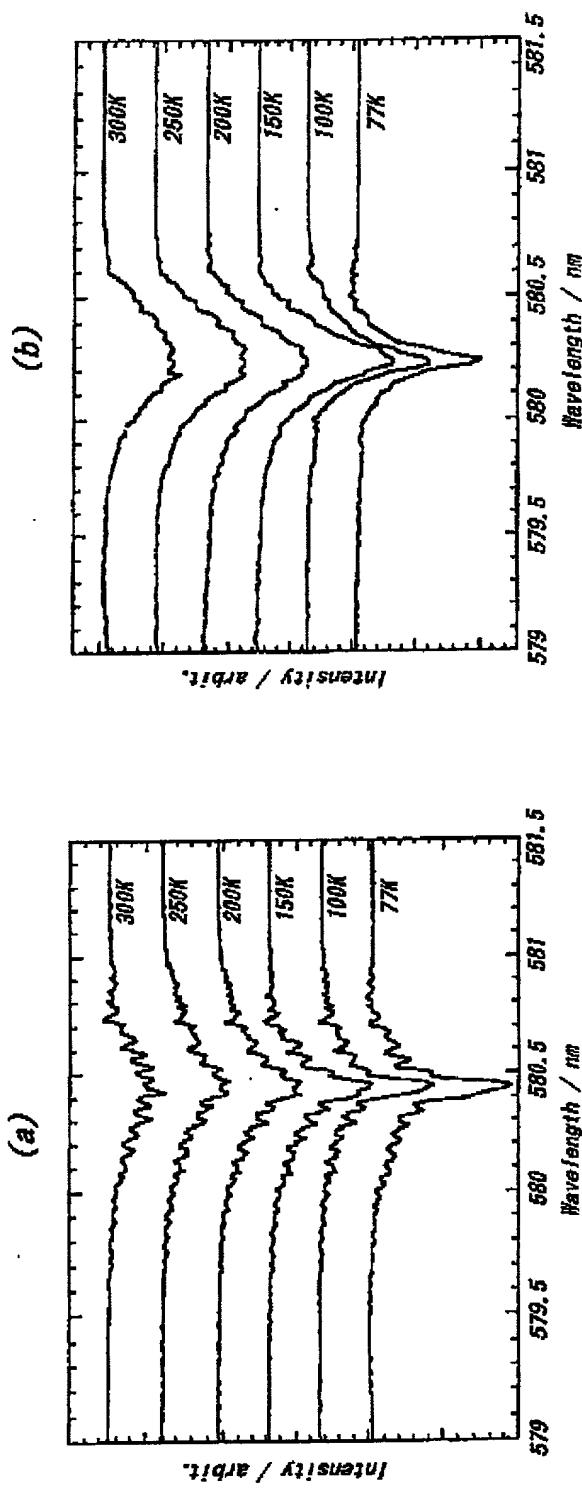


FIG. 7



01023

FIG. 8

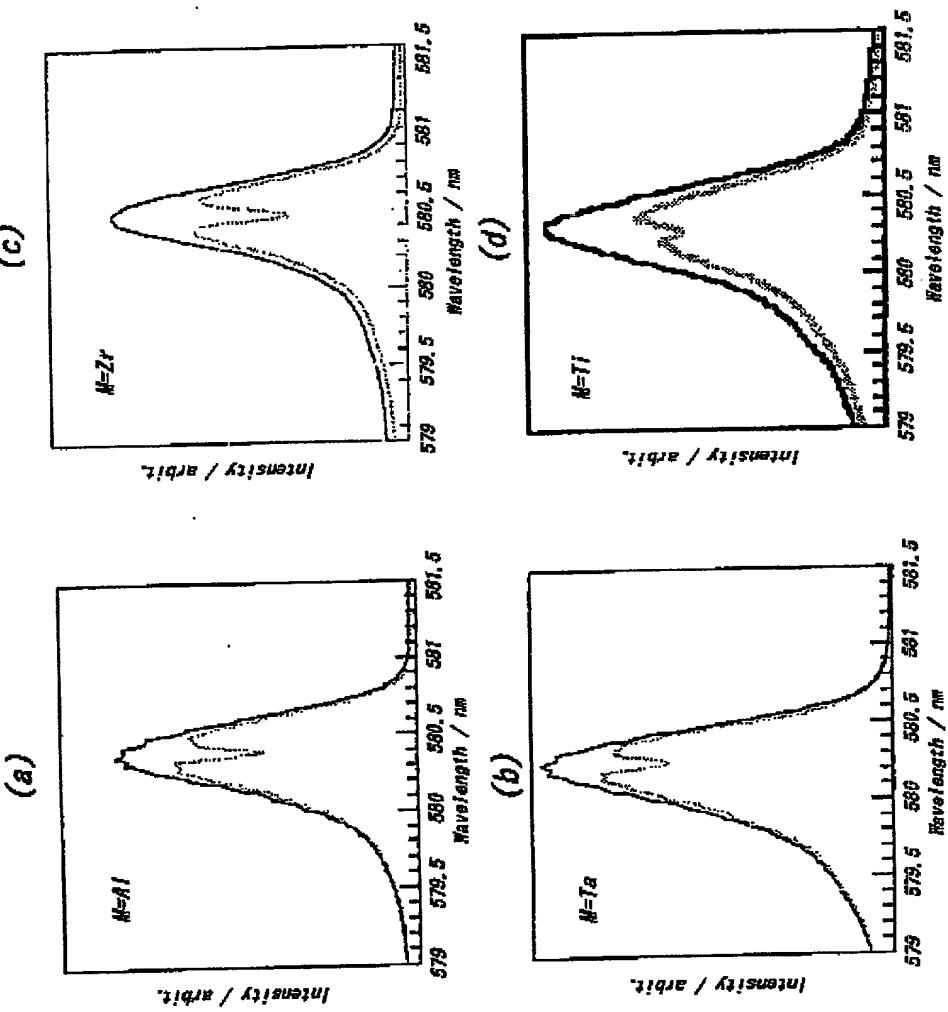
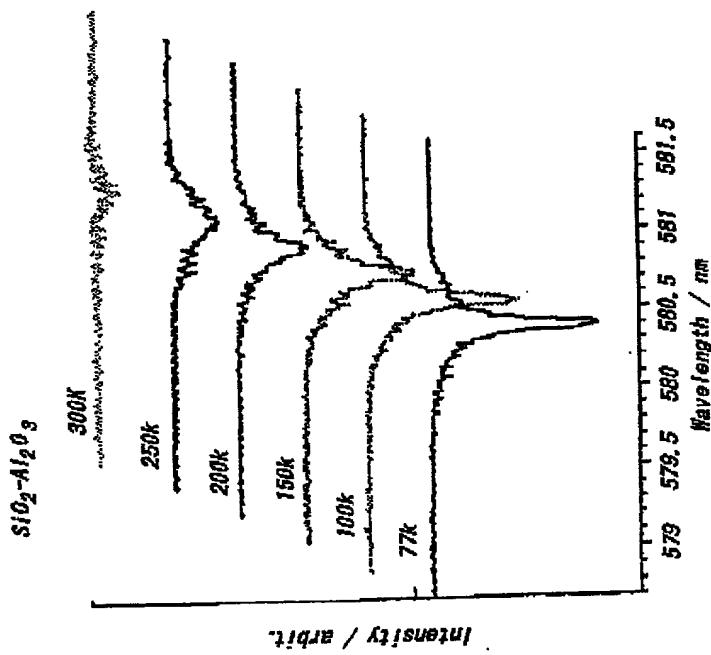


FIG. 9

(a)



(b)

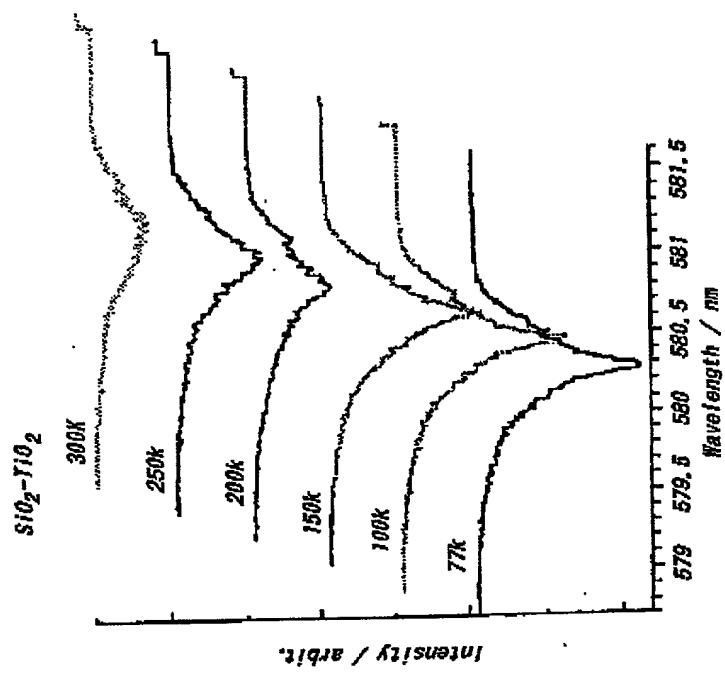


FIG. 10

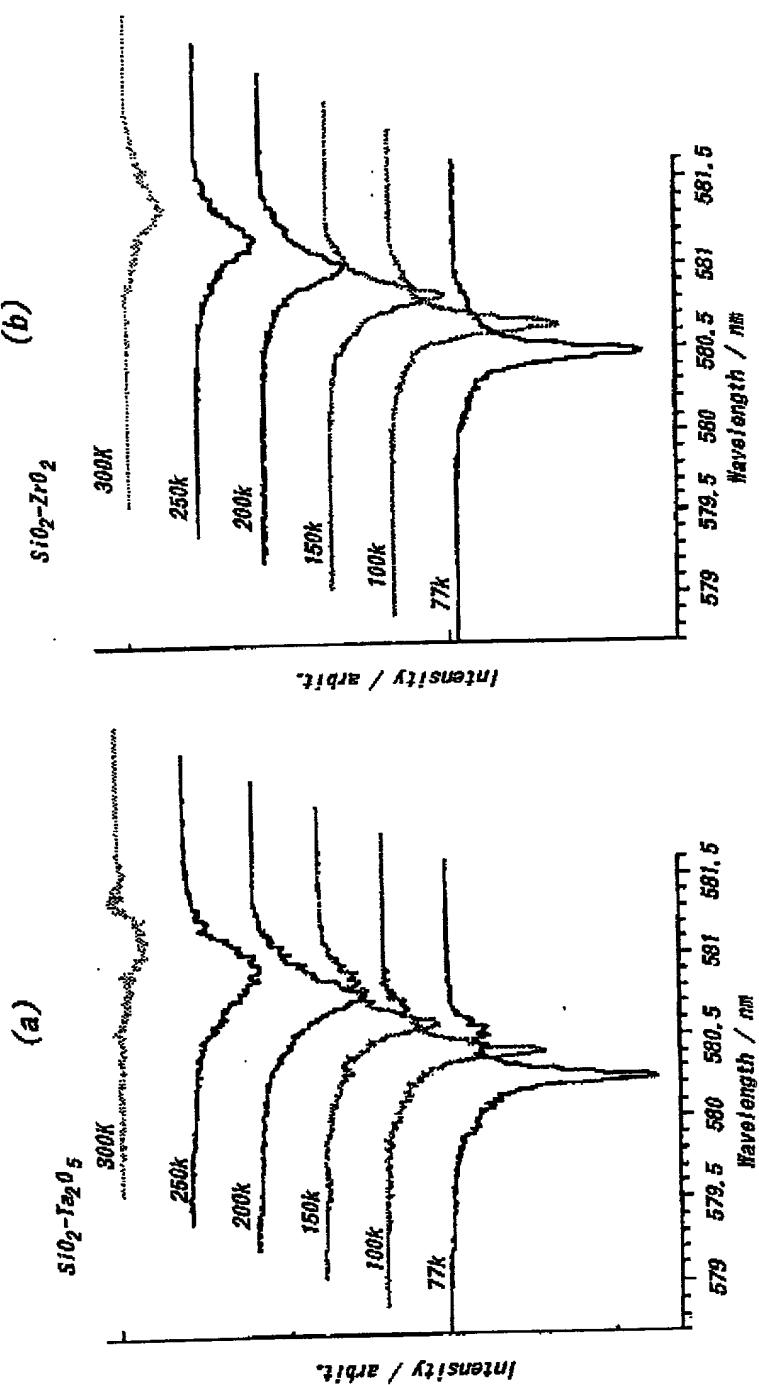
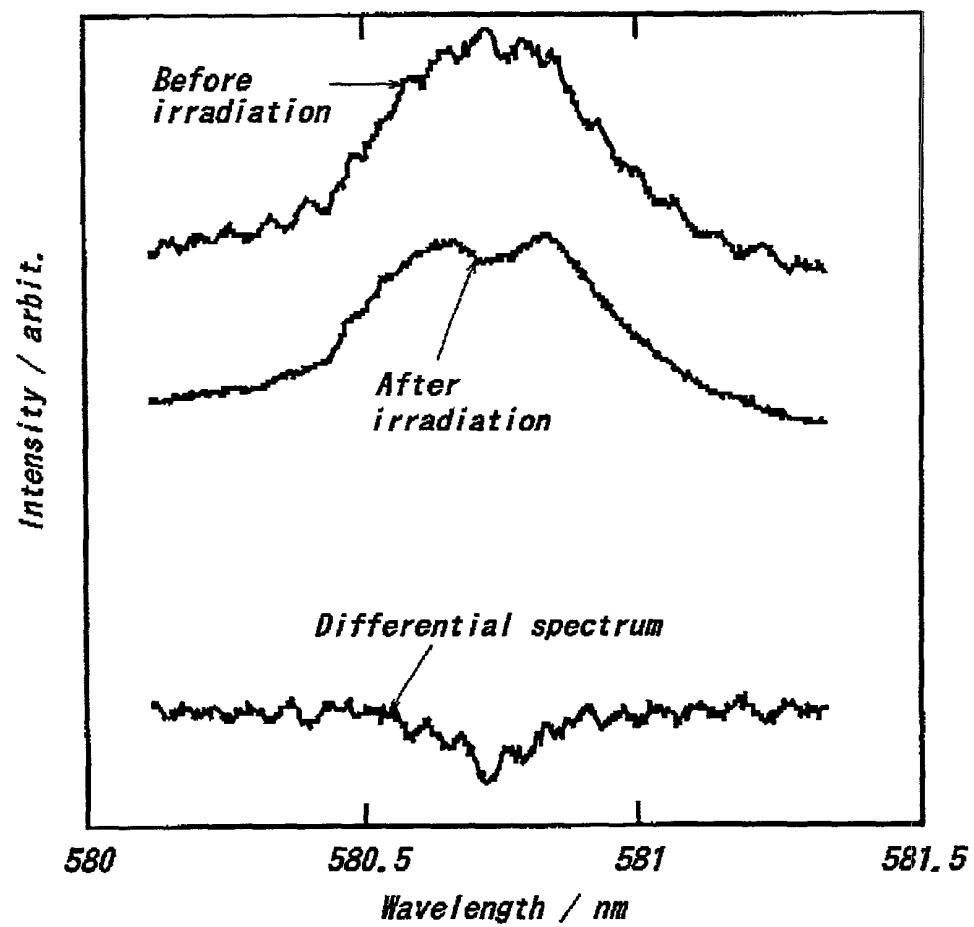


FIG. 11



Excited spectra of $\text{Si}_2\text{O} : \text{Eu}(15\text{C}5)^{3+}$, indene
before and after irradiation with laser
at 77K and differential spectrum
therebetween